Version Description Document (VDD)
Crack Version 1.0.0.2 for Solaris 2.5.1
11 April 1997

1. Scope

1.1 Identification

This Version Description Document describes the conversion of Crack, Segment directory name CRACK, Version 1.0.0.2 from a COTS segment into a COE Component segment. This release is for the Sun/Solaris 2.5.1 platform.

1.2 System Overview

This version of Crack is a freely available program designed to find standard Unix eight-character DES encrypted passwords by standard guessing techniques. It is written to be flexible, configurable and fast, and to be able to make use of several networked hosts via the Berkeley rsh program (or similar), where possible.

System configuration variables and command line options can be found in Appendix A of the SAM document for Crack Version 1.0.0.2, 11 April 1997.

1.3 Product Information

Product Dependencies:

None.

2. Referenced Documents

System Administrator's Manual (SAM) for Crack Version 1.0.0.2, 11 April 1997.
Installation Procedures (IP) for Crack Version 1.0.0.2, 11 April 1997.

3. Version Description

3.1 Inventory of material released

Version 1.0.0.2 of the Crack segment is provided on one 8mm exabyte tape as a COE Component. It is made up of the source, executables, and scripts.

The Version Description Document identifies and describes in detail the hardware, software,

known problems, and the documentation baseline of Crack 1.0.0.2.

The Installation Procedures provides step-by-step procedures for installing the system or segment, including hardware and software requirements.

The Software Requirements Specification specifies the software characteristics that are required for acceptance of the software for the DII COE.

The System Administrator's Manual provides specific guidance for System Administrators to support COE system and software installation and maintenance.

The Software Test Plan describes the types of tests and provides traceability to the software requirements they satisfy.

The Software Test Description describes the test cases and acceptance criteria that will be used to test the software.

The Software Test Report provides a technical report with supporting documentation (package of materials) required to evaluate the results of the software tests described in the STD.

3.2   Inventory of Software Contents

!   Integ

VSOutput

!   Scripts

CRACK.cron_remove
CRACK.cron_remove.xterm
CRACK.weekly_config
CRACK.weekly_config.xterm
CRACK.weekly_cron

!   SegDescrip

DEINSTALL
Installed
PostInstall
Profiles.CRACK
ReleaseNotes
SegInfo
SegName
VERSION
Validated

!   bin

CRACK.cckpswd
CRACK.init
CRACK.xterm
Spswdbuf.awk
crack/
crack_pswd

!   bin/crack

APPENDIX
BUGS
Crack
Crack.cln
Dicts/
Dicts_Master
DictSrc/
Docs/
HP/
LICENCE
MANIFEST
README
README.LUCS
README.LUCS~
README~
Runtime/
Scripts/
Sources/
TODO
cur_dicts
generic/
ufc-crypt/
words

!   bin/crack/DictSrc

BIGdict
ULRdict
bad_pws.dat
jargon
newdict

!   bin/crack/Dicts

.lockfile
bigdict

!   bin/crack/Docs

readme.ms
readme.txt

!   bin/crack/HP

Makefile
crack-pwc

!   bin/crack/Runtime

D*
F*
P*

!   bin/crack/Scripts

Crack.network
Rcrack
Rcrack.cln
clean
crack.mf
dicts.rules
do_install
do_join
do_pwc
do_ufc
gecos.rules
guess2fbk
install.mf
mrgfbk
mrgfbk.sav
nastygram
network.conf
network.conf.cln
plaster
saltcount
shadmrg
spotless
spotless.dummy
spotless.sav

status

!   bin/crack/Sources

Makefile
Makefile.cln
bytesex.c
conf.h
crack-fcrypt.c
crack-glob.c
crack-glob.h
crack-glob.o
crack-lib.c
crack-lib.o
crack-pwc
crack-pwc.c
crack-pwc.o
crack-sort.c
crack-sort.o
crack-supp.c
crack-supp.o
crack.h
makefile.sav
speeds.c
tester.c
testrule.c

!   bin/crack/generic

Makefile
crack-pwc
sav.crack-pwc

!   bin/crack/ufc-crypt

COPYING
Makefile
Makefile.cln
README
S2o
cert.c
cert.data
crypt.c
crypt.o
crypt.s300.S

crypt.sparc.S
crypt.sun3.S
crypt_util.c
crypt_util.o
do_ranlib
libufc.a
makefile.sav
patchlevel.h
speeds.c
ufc
ufc-crypt.h
ufc.c

!   data

.CRACK_SEGDIR
bitmap/
files/
root.old

!   data/bitmap

CRACK.xbm

!   data/files

!   lib

!   man

3.3   Changes Installed

This version contains the conversion of Crack from a COTS segment into a COE Component software segment.

This version changes the way the icon is handled in order to be consistent with previous COE Components.

This version includes the make and make.rules scripts with links to the appropriate directories if make is not on system already.

3.4   Adaptation Data

None.

3.5   Waivers

Database Design Document (DBDD)
Software User's Manual (SUM)

3.6   Installation Instructions

This version of Crack can be installed in accordance with the Installation Procedures (IP) of Crack Version 1.0.0.2, 11 April 1997.

3.7   Possible Problems and Known Errors

See Appendix A of this document.

4.   Notes

4.1   Acronyms and Abbreviations

COE   Common Operating Environment

COTS   Commercial Off The Shelf Software

IP   Installation Procedures

SAM   System Administrator's Manual

Appendix A. Crack BUGS file

!	Crack: is known to occasionally hang during a "Crack -network" whilst rshing from machine to machine on some architectures. It's a persistent problem at some sites, when Crack rsh'es to a particular machine and stays there, and thus never calls the next machine.

FIX: mark machines that hang Crack with the "-f" option in network.conf file, then the 'rsh' will be backgrounded and Crack will continue to the next machine. The tweak in Crack Version 1.0.0.2 to close descriptors 0->9 on all machines (esp Apollos) may help this.

!	Beta testers on DEC 5500s have reported crack-pwc crashing when compiled with the optimizer. This apparently doesn't happen using GCC or when optimization is turned off (heisenbug?)

Be warned.

!	Early System V type systems will have problems if the environment variable SHELL is not set to "/bin/sh" - this is because SV will blithely ignore the "#!/bin/sh" line and invoke a csh anyway, if that is what you prefer.

This is probably most easily diagnosed when Crack bails out like this:
	CRACK_HOME=/your/crack/directory: Command not found.

- or similar.